

## ABSTRACT

Microscope, particularly a stereomicroscope, for simultaneous observation by a first and a second observer, comprising a main objective (2) defining an optical axis (2a) and an optical beam path (17) following a direction of the optical axis (2a); a magnification system (12, 13) mounted after the main objective (2); a beam splitter device (5) mounted after the main objective (2) for deflecting a first partial optical beam path (17a) into a first plane (I) of the microscope, and for transmitting a second partial optical beam path (17b) in the direction of the optical axis (2a); a plurality of deflector elements (6a, 6b) for deflecting the first partial optical beam path (17a) out of the first plane (I) and into a second plane (II) of the microscope extending substantially parallel to the first plane (I); and a further deflector element (6c) for deflecting the second partial optical beam path (17b) into a third plane (III) of the microscope extending substantially parallel to the first and second planes (I, II) and located above the first and second planes (I, II).

15

BFLODOCS 905883v1 (J#ZF01!.DOC)